

Patent Abstracts of Japan

PUBLICATION NUMBER : 01121645
PUBLICATION DATE : 15-05-89

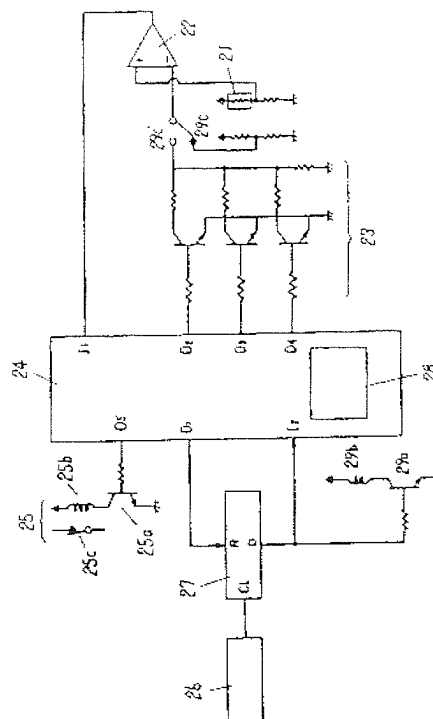
APPLICATION DATE : 04-11-87
APPLICATION NUMBER : 62277647

APPLICANT : MATSUSHITA REFRIG CO LTD:

INVENTOR : MIKUMO YUKIO:

INT.CL. : F24F 11/02 F25B 47/00

TITLE : DEFROSTING CONTROL DEVICE FOR
AIR CONDITIONER



ABSTRACT : PURPOSE: To perform a positive defrosting operation by a method wherein a time until an outdoor heat exchanger temperature reaches a predetermined temperature is stored by a completion of time counting of a timer for prohibiting a defrosting operation and a defrosting operating temperature upon completion of the time counting operation is increased in proportion to the stored time.

CONSTITUTION: A control circuit 24 may set a defrosting prohibitive timer 27 after starting heating operation, count a clock from a generator 26 to turn off a defrosting signal output part 25 and at the same time a time in which a temperature of an outdoor heat exchanger detected by a temperature sensor 21 reaches to a predetermined temperature is stored in a memory means 28. Upon completion of time counting in a timer 27, a switch 27a is turned on, its contact point is set to 29c', it is changed over by a changing-over and setting means 23 to outputs O₂ or O₃, O₄ or a defrosting operation temperature that is increased in sequence in proportion to the stored time and then a defrosting signal is outputted from an output part 28 through a comparator 22. In this way, a positive defrosting operation can be performed only when a frosting occurs at the outdoor heat exchanger and then a heating efficiency can be improved.

COPYRIGHT: (C)1989,JPO&Japio